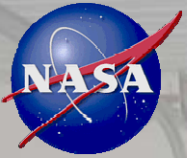


# HyTex

## A Multi-Center & Multi-Agency Success Story





# Outline



## Project Overview

**Core Values**

**+**

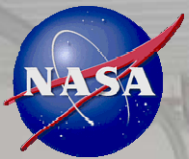
**Leadership**

**+**

**Relationships**

**=**

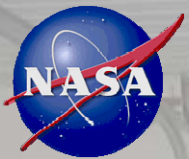
**Outcomes**



# Hypersonic Technology Experiment (HyTex)







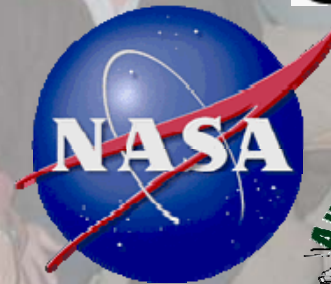
# National Team

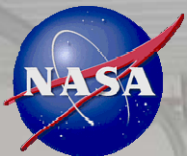


**Multi-center, multi-agency team**

**Broad technical expertise**

**Cost sharing**





# HyTex Team



## Ames Research Center

- Thermal Protection System Experiments
- Vehicle Health Management Technology



## Marshall Space Flight Center

- Mission Management



## Air Force Research Lab

- Thermal Protection System Technology



## Goddard Space Flight Center / Wallops Flight Facility

- Booster
- Range and Launch Operations
- Recovery



## Langley Research Center

- Aeroscience
- Thermal Protection System
- WindTunnel Testing



## Kennedy Space Center

- Experiment Management System
- Experiment Processing
- Vehicle Health Management Technology



## Patrick Air Force Base

- Recovery Operations



## Sandia National Laboratories

- Re-Entry Vehicle



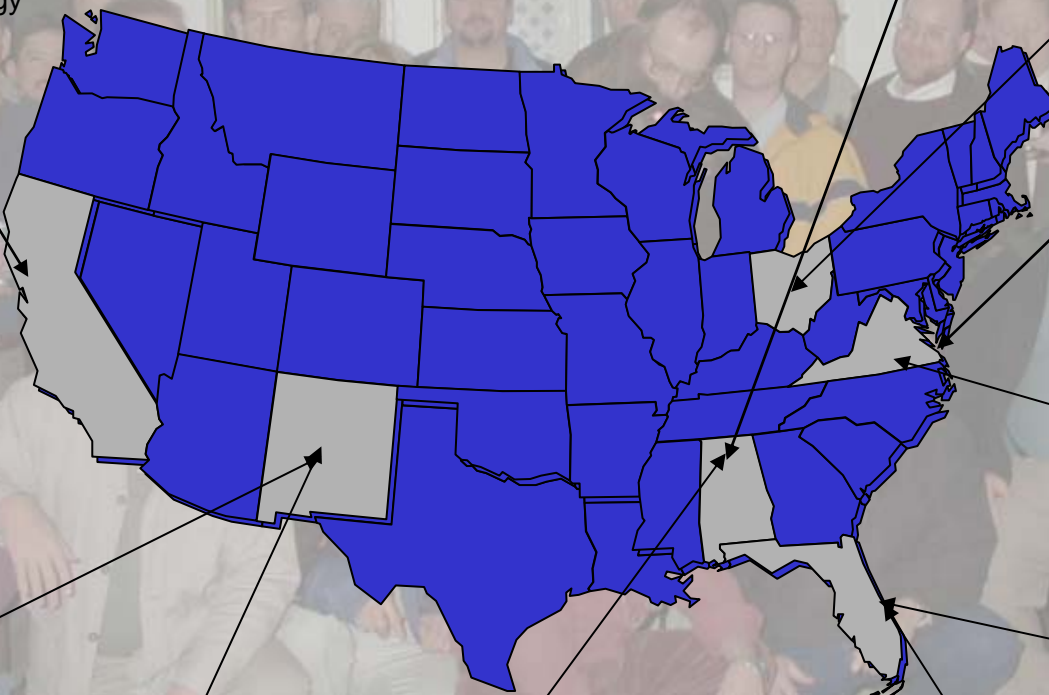
## Air Force Research Lab

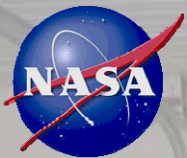
- Re-Entry Structures Experiment



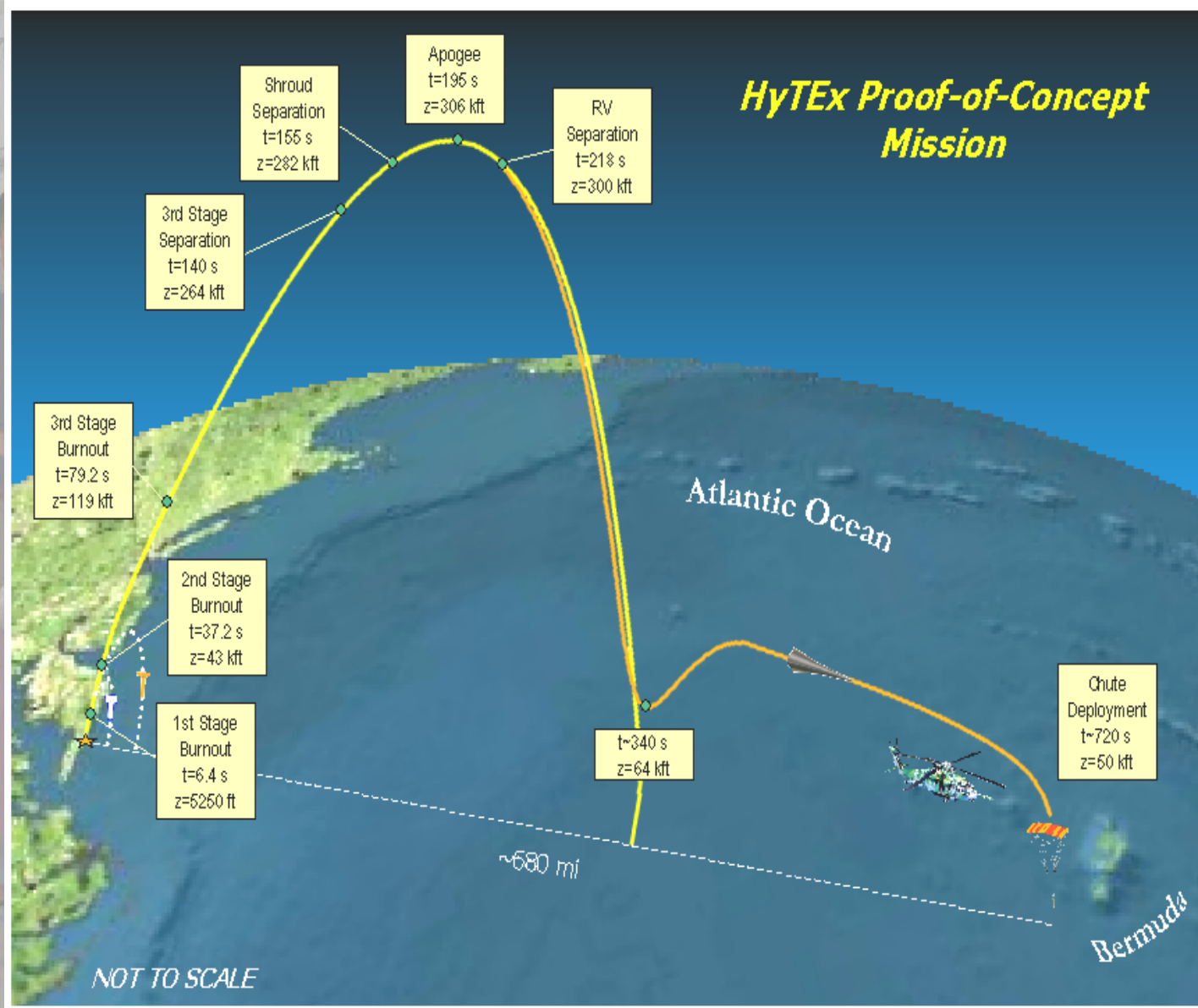
## Army Aviation and Missile Command

- Aerothermal Analysis
- Ground Testing

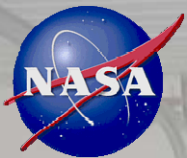




# HyTex Concept of Operations







# "Geter Done!!!



3/3/2003

Authority to Proceed

7/17/2003

Preliminary Requirements Review

9/17/2003

Mission Initiation Conference

11/13/2003

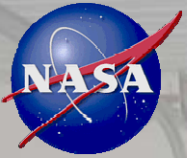
Requirements Definition Meeting

3/8/2004

Preliminary Design Review

**Total = ~372 Days**





# Core Values



**Acceptance of Organizational  
Equals**

**Mutual Respect**

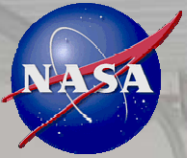
**Trust**

**Have Fun**

**People make the project GO!**

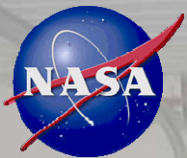






# **A Diversified Team like HyTex requires Leadership not Management**

## **What's the difference?**



# Leadership



Board of Directors

Leading through Influence

Working on the Project Not in the Project

Team Energy Levels

Team Roles

Fun as a Force Multiplier

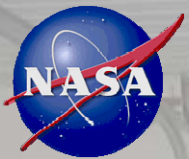
Showing Appreciation

Inclusion

Driving Schedule, Managing Cost, and Setting levels of Performance







# Relationships



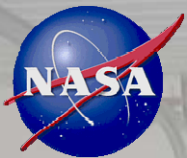
**Fostering Dialogue**

**Face to Face Meetings**

**Social Events**







# Outcomes



**Passion**

**Commitment**

**“The HyTEx Badge”**

**Esprit de Corp**



**Susan Spencer**

Experiment Development & Integration

**Technology Flight Demonstrations**

Phone: (256) 544 -2628

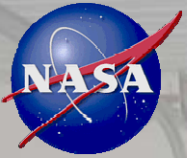
Cell: (256) 656-9116

FAX: (256) 544 -6696

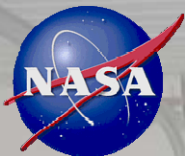
Email [Susan.H.Spencer@nasa.gov](mailto:Susan.H.Spencer@nasa.gov)

Marshall Space Flight Center / FD04

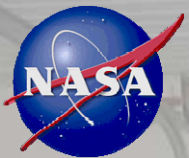
MSFC AL 35812



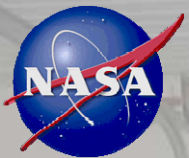




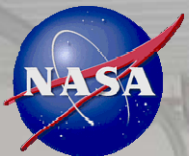




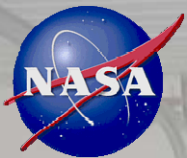




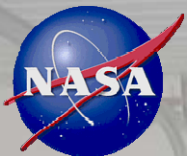




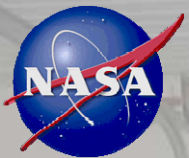




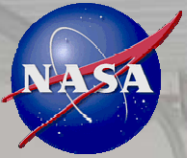




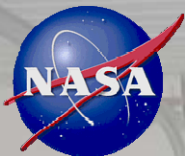




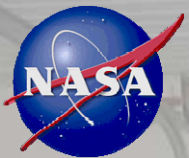












# HyTex Team

